Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Date: 7 May 2015

Duration of Booklets A & B: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

Questions 1 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The value of the digit 5 in 51 408 is _____.

   (1) 5 hundreds

   (2) 5 thousands

   (3) 50 hundreds

   (4) 50 thousands

2. 3 ten thousands, 8 hundreds, 12 tens and 4 ones is the same as _____.

   (1) 30 816

   (2) 30 924

   (3) 38 016

   (4) 38 124

3. 13 872 rounded off to the nearest hundred is _____.

   (1) 13 000

   (2) 13 800

   (3) 13 870

   (4) 13 900

4. Which of the following is both a multiple of 6 and 8?

(1) 46

(2) 32

(3) 24

(4) 18

5. Tom is 10 years old. His brother is twice as old as him. What is their total age in 4 years' time?

(1) 38

(2) 34

(3) 30

(4) 20

6. Which of the following is not an equivalent fraction of $\frac{5}{6}$?

(1) $\frac{10}{12}$

(2) $\frac{15}{24}$

(3) $\frac{25}{30}$

(4) $\frac{30}{36}$

7. **Find** the value of $\frac{11}{12} - \frac{3}{4}$.

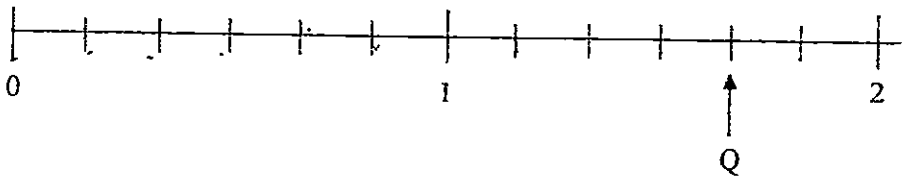
(1) $\frac{1}{6}$

(2) $\frac{1}{5}$

(3) $\frac{5}{3}$

(4) $\frac{8}{8}$

8. **Which** of the following mixed numbers is represented by the letter Q on the number line shown?



(1) $1\frac{4}{5}$

(2) $1\frac{3}{4}$

(3) $1\frac{2}{3}$

(4) $1\frac{1}{2}$

9. Which of the following figures has perpendicular lines?

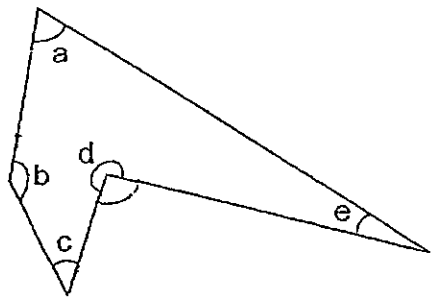
(1) W

(2) N

(3) C

(4) H

10. In the figure below, which angles are greater than a right angle?



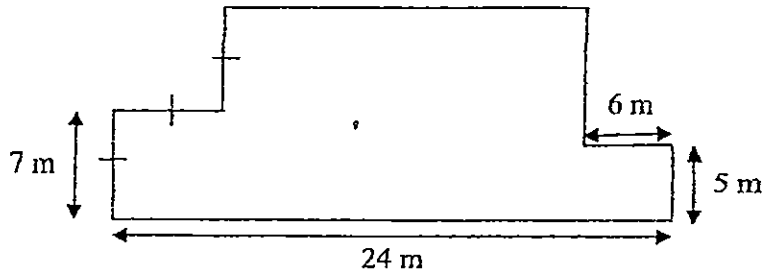
(1) ∠a and ∠c

(2) ∠b and ∠d

(3) ∠c and ∠d

(4) ∠d and ∠e

11. What is the area of the figure?



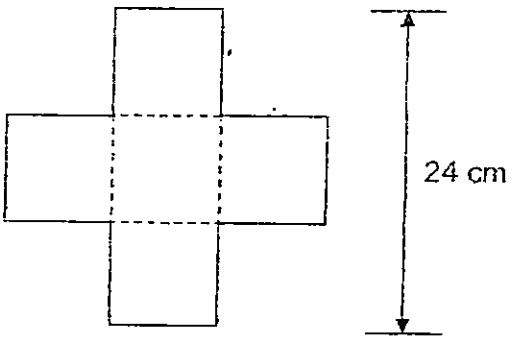
(1) 196 m^2

(2) 233 m^2

(3) 336 m^2

(4) 576 m^2

12. The figure below, not drawn to scale, is made up of 5 identical squares. Find the perimeter of the figure.



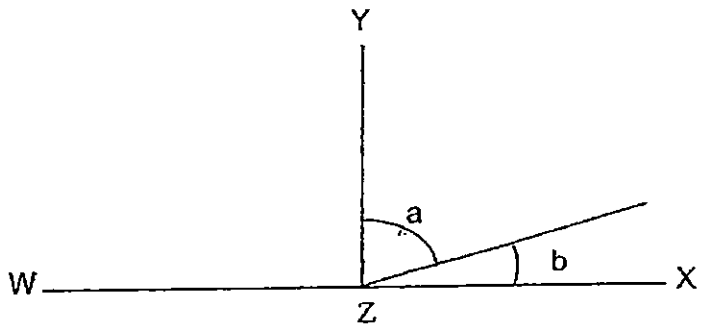
(1) 320 cm

(2) 128 cm

(3) 96 cm

(4) 48 cm

13. The figure below is not drawn to scale. WX is perpendicular to YZ. Which one of the following statements is correct?



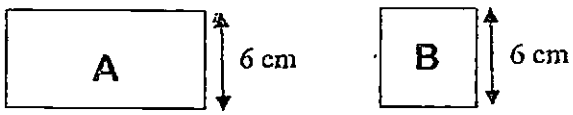
1) $\angle a$ is smaller than $\angle b$

2) $\angle a = \angle b$

3) $\angle a = 90° + \angle b$

4) $\angle a + \angle b = 90$

14 The figure below shows Rectangle A and Square B. The perimeter of Rectangle A is equal to the area of Square B. Find the area of the Rectangle A.



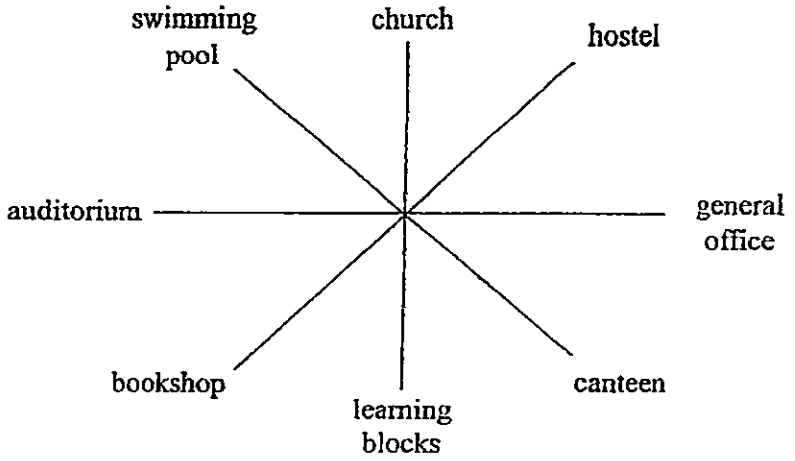
(1) 12 cm^2

(2) 24 cm^2

(3) 36 cm^2

(4) 72 cm^2

15. Geraldine is facing the learning blocks at first. When she turns 135° anti-clockwise, she will be facing the _____.



(1) church

(2) general office

(3) hostel

(4) swimming pool

End – of – Booklet A

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ .( ) Class: Primary 4 ___

Date: 7 May 2015 Duration of Booklets A & B: 1 hour 45 minutes

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 16 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

SECTION B - Short Answer Questions (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write ninety thousand, four hundred and eight in figures.

Answer : _____

17 Write the missing number in the number pattern below.

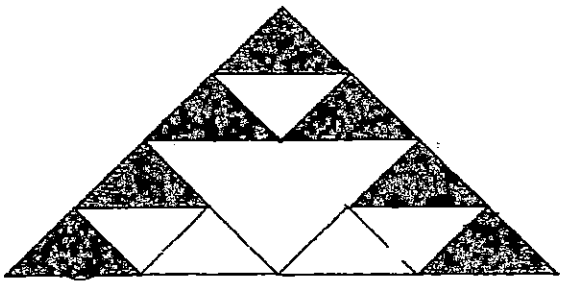
13 427, 13 562 , _____ , 13 832 , 13 967

Answer : _____

18 Four factors of 99 are 1, 9, 11 and 99. What are the other two factors of 99?

Answer : _____ and _____

19. The figure below is made up of identical triangles.
What fraction of the figure below is unshaded?



Answer : _____

20. $2\frac{7}{9}+\frac{1}{3}=$_____
Express your answer as a mixed number.

Answer : _____

21. Which two of the fractions below are smaller than $\frac{2}{3}$?

$$\frac{3}{4},\ \frac{4}{9},\ \frac{5}{6},\ \frac{5}{12}$$

Answer : _____ and _____

22. What is the missing number in the box?

$$8\frac{3}{5} = \frac{\boxed{?}}{10}$$

Answer : _____

23. Using the digits 2, 7, 3, 1 and 6, form the largest **and smallest 5-digit number.and find the difference between them.**

Answer : _____

24. Arrange the following numbers from the smallest to the greatest.

48 723 , 47 382 , 48 732 , 47 832

Answer : _____ , _____ , _____ , _____
(*smallest*) (*greatest*)

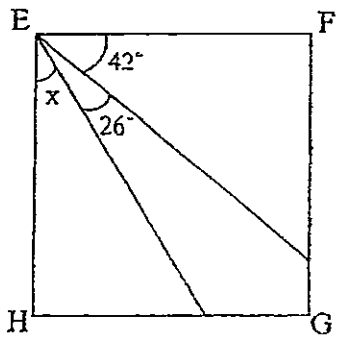
25. Mr Choo earns $9 600 in 3 months. If he earns the same amount each month, how much will he earn in half a year?

Answer : $_____

26. The cost of 5 books is the same as the cost of 13 bags. If each bag cost $35, what is the cost of each book?

Answer : $_____

27. In the figure below, EFGH is a square. Find $\angle x$.

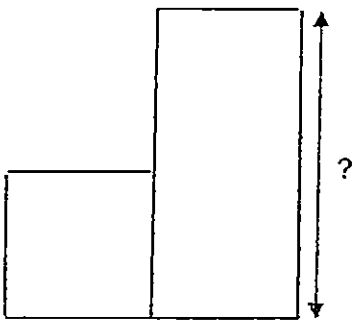


Answer : _____°

28. There are 42 pupils in a class. 18 of them are girls. $\frac{5}{6}$ of the boys in the class can play chess. How many boys can play chess?

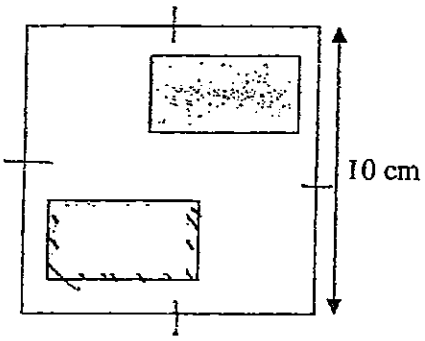
Answer : _____

29. The figure below is made up of a square and a rectangle. The area of the square is 64 cm^2. The breadth of the rectangle is the same as the length of the square. If the total area of the figure is 352 cm^2, what is the length of the rectangle?



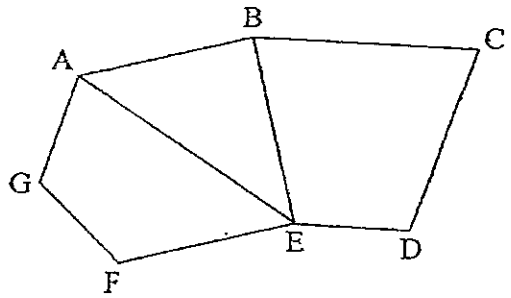
Answer : _____ cm

30. The figure below shows 2 identical rectangles in a square. The area of one rectangle is $\frac{1}{5}$ of the area of the square. Find the area of the two rectangles.



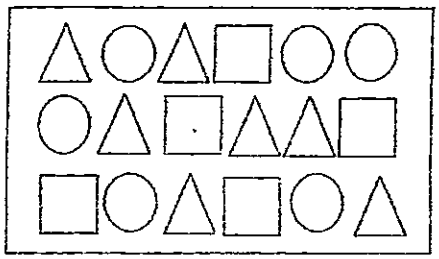
Answer : _____ cm^2

31. One of the lines in the figure is parallel to CD.
Which line is parallel to CD?



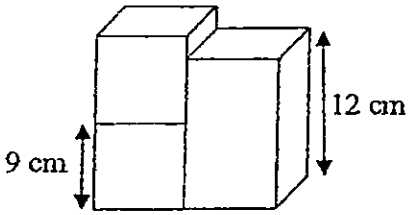
Answer : _____

32. There are 18 figures in the box below. What fraction of the figures are circles?
Express your answer in the simplest form.



Answer : _____

33. Boxes that are 9 cm high are being stacked next to boxes that are 12 cm high. What is the shortest height at which the two stacks will be of the same height?

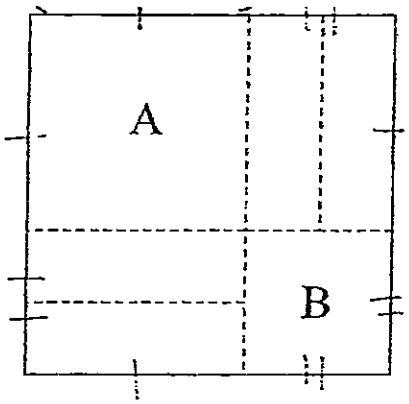


Answer : _____ cm

34. A packet of flour weighs 1 000 g. Miss Tan used $\frac{1}{10}$ of it for baking and gave $\frac{1}{5}$ to her sister. How much flour had she left?

Answer : _____ g

35. The figure below is made up of Square A, Square B and 4 identical rectangles. If the area of Square A is 49 cm^2 and Square B is 25 cm^2, what is the perimeter of the figure?



Answer : _____ cm

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36 A tailor bought some buttons to sew on some shirts. She sewed 12 buttons on each shirt and had 43 buttons left. How many buttons did the tailor buy if she sewed 136 shirts?

Answer: _____ [3]

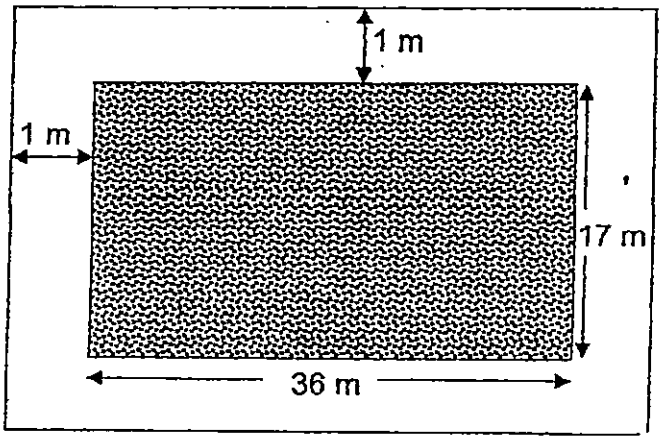
37. 2 similar mangoes and 4 similar oranges weigh $\frac{4}{5}$ kg. If each orange weighs $\frac{1}{10}$ kg, what is the mass of 20 mangoes?

Answer: _____ [3]

38. Paul bought 4 chairs and a table for $2680. The table costs $485 more than the cost of a chair. Find the cost of the table.

Answer : _____ [4]

39. Miss Chua has a vegetable garden measuring 36 m by 17 m. There is a path with a border of 1 m along each side of the vegetable garden. Find the area of the path.



Answer: _____ [4]

40. Marcell and Niva had the same number of cards. When Marcell gave away 128 of his cards and Niva gave away 35 cards, Niva had 4 times as many cards as Marcell. How many cards did each of them have at first?

Answer: _____ [4]

41. A rectangular room measures 48 m by 37 m.

a) What is the perimeter of the room?

b) Ali covered $\frac{5}{8}$ of the room with carpet. What is the area of the room not covered with carpet?

Answer: (a) _____ [1]

(b) _____ [3]

42. Ray had some marbles. He gave 369 of them to his neighbour and sold $\frac{2}{7}$ of the remainder to his friends. Ray was then left with 105 marbles. How many marbles did Ray have at first?

Answer: _____ [4]

43. At a carnival, the number of males is equal to the number of females. After half a day, $\frac{5}{12}$ of the males and $\frac{2}{3}$ of the females left the carnival. If 2576 males remained at the carnival, how many females remained at the carnival?

Answer: _____ [4]

End – of – Paper

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : ANGLO CHINESE SCHOOL PRIMARY (BAKER ROAD)
SUBJECT : MATHS
TERM : SA1

Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q9	Q 10
4	2	4	3	1	2	1	3	4	2
Q 11	Q 12	Q 13	Q 14	Q 15					
2	3	4	4	3					

Q16. 90408. **Q17.** 13697. **Q18.** 3 and 33 **Q19.** $\frac{9}{16}$ **Q20.** $3\frac{1}{9}$

Q21. $\frac{4}{9}$ and $\frac{5}{12}$ **Q22.** 86. **Q23.** 76321

Q24. 47382, 47832, 48723, 48732 **Q25.** $19200

Q26. $91 → 35 x 13 = 455, 455÷5=91

Q 27. 22° **Q28.** 20 →42−18=24, 24÷6=4, 4x5=20

Q29. 36cm → 352 – 64=288, 288÷8=36.

Q30. 40cm² → 10 x 10 =100, 100÷5=20, 20 + 20 = 40

Q31. AG **Q32** $\frac{1}{3}$ **Q33.**36cm **Q34.** 700g →1000÷10=100, 100 x7 = 700

Q35. 48cm → perimeter → 49 = 7 x 7 , 25 = 5 x 5 , (7x4) + (5x4) = 48

Q36. 1675 → 136 x 12 = 1632, 1632 + 43 = 1675

Q37. 4kg → $\frac{1}{5}$ x 20 = $\frac{20}{5}$ = 4

Q38. $924. → 2680 – 485 = 2195, 2195 ÷ 5 = 439, 439 + 485 = 924

Q39. 110m²→1+1=2, 36+2=38,1+1=2, 17+2=19,38 x 19=722,36 x17 = 612, 722−612=110

Q40. 159 → 30→93 (128−35), 1U → 31, 4U→124, 124 + 35 = 159

Q41a. 170m, **Q41b.** 666m² → 48 x 37 x 2 = 170, 48÷8=6, 37 x 18=666

Q42. 516 → 5U of reminder (or) → 105 , 1U or 21 → 21, 7U → 147, 369 + 147 = 516

Q43. 1472 → 7U → 2576, 1U → 368 , 4U→1472

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2015)
PRIMARY 4

MATHEMATICS
Booklet A

Wednesday **6 May 2015** **1 h 45 min**

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 20 questions in this booklet.

Answer ALL questions.

Name : _____ ( )

Class : 4.

Parent's Signature:_____

This question paper consists of 9 printed pages. (Inclusive of cover page)

Section A

Questions **1** to **20** carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (40 marks)

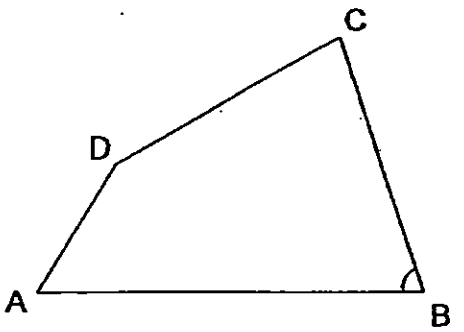
1. What is 909 less than 10 000?

   (1) 9091
   (2) 9101
   (3) 9191
   (4) 9909

2. How many sixths are there in $2\frac{1}{3}$?

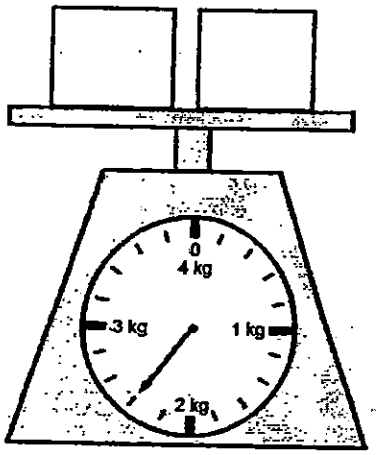
   (1) 6
   (2) 7
   (3) 14
   (4) 21

3. In the figure below, which angle is greater than a right angle?



   (1) ∠DAB
   (2) ∠ABC
   (3) ∠BCD
   (4) ∠CDA

4. The figure below shows 2 identical boxes on a weighing scale.



Find the mass of 1 box.

(1) 1 kg 100 g
(2) 1 kg 200 g
(3) 2 kg 400 g
(4) 2 kg 500 g

5. Erhu has five 20-cent coins and one 50-cent coin. She used some of the coins to buy a notebook without receiving any change. Which one of the following could be the cost of the notebook?

(1) $1.10
(2) $1.20
(3) $1.40
(4) $1.70

6. Find the value of $\frac{3}{5} + \frac{3}{10} + \frac{3}{10}$.

(1) $\frac{3}{5}$

(2) $\frac{9}{10}$

(3) $1\frac{1}{5}$

(4) $1\frac{1}{2}$

7. John's age is a multiple of 7 this year. His age next year will be a multiple of 6. What is John's age this year?

(1) 14

(2) 28

(3) 35

(4) 42

8. Muhaimin is facing south-west. He makes a $\frac{3}{4}$-turn in a clockwise direction. In which direction is he facing now?

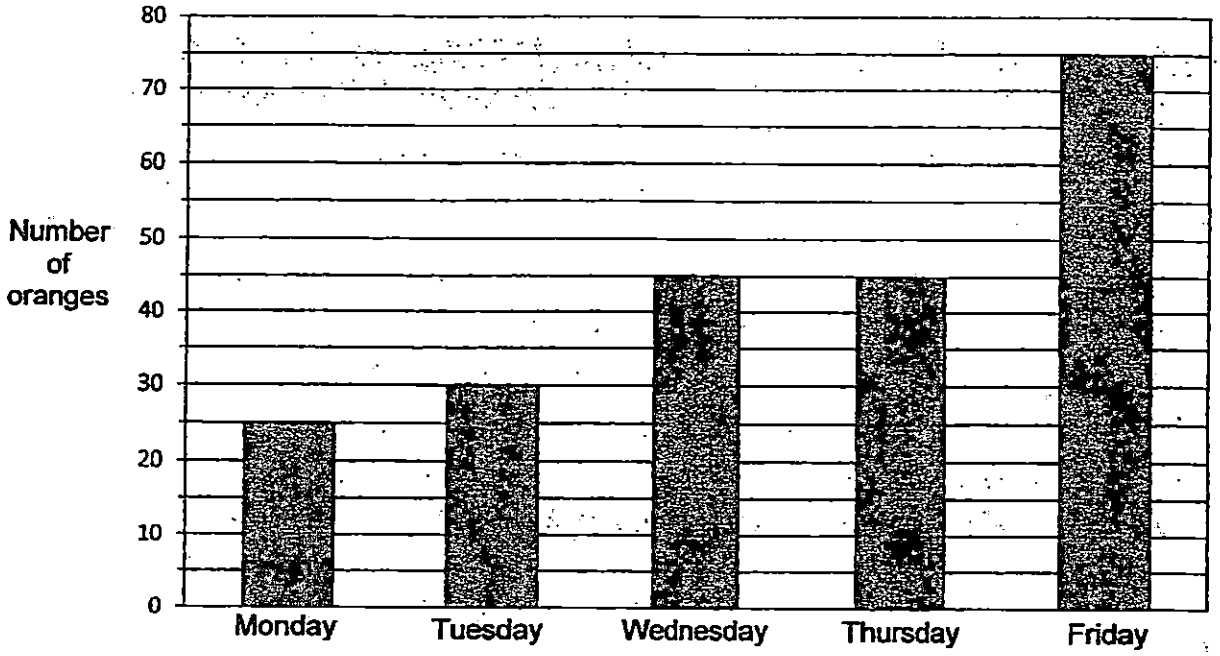
(1) East

(2) North

(3) North-West

(4) South-East

The graph below shows the number of oranges sold by a farmer from Monday to Friday. Study the graph carefully and answer questions 9 and 10.



9. How many oranges were sold from Monday to Wednesday?

(1) 55
(2) 60
(3) 75
(4) 100

10. A pack of 5 oranges cost $3. How much money did the farmer receive on Friday from the sale of oranges?

(1) $15
(2) $25
(3) $45
(4) $75

The table below shows the number of coins that a group of friends had collected. Study the table below carefully and answer questions 11 and 12.

Name	Number of 10-cent coins	Number of 20-cent coins	Number of 50-cent coins	Total number of coins
Alice	10	5	8	23
Gopal	?	7	8	28
Rahim	20	5	4	29

11. How many 10-cent coins did Gopal collect?

(1) 10
(2) 13
(3) 30
(4) 43

12. How much money did Rahim have?

(1) $5
(2) $2
(3) $3
(4) $4

13. Esther has 24 marbles. Half of them are white, 4 are red and the rest are green. What fraction of the marbles are green?

(1) $\frac{1}{3}$

(2) $\frac{2}{3}$

(3) $\frac{3}{4}$

(4) $\frac{3}{10}$

14. A number when divided by 7 gives a quotient of 68 and a remainder of 6. What is this number?

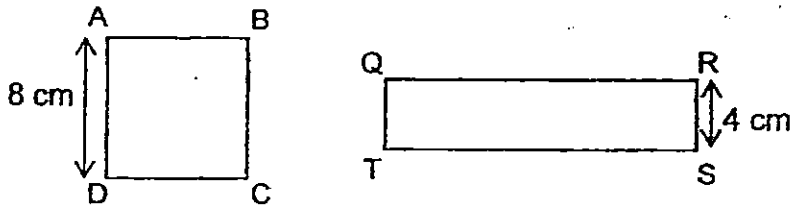
(1) 110

(2) 415

(3) 472

(4) 482

15. Square ABCD and Rectangle QRST have the same area. AB is 8 cm and RS is 4 cm. Find the length of QR.



(1) 4 cm

(2) 8 cm

(3) 12 cm

(4) 16 cm

16. Mrs Hoh spent $\frac{1}{6}$ of her money on a pen. She spent $\frac{1}{3}$ of her money on a file. She had $48 left. How much money did she have at first?

(1) $8
(2) $16
(3) $24
(4) $96

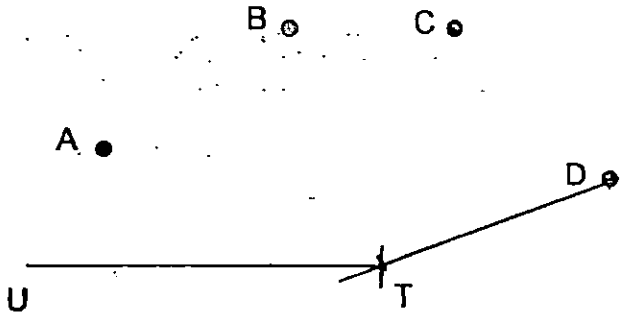
17. Khai is facing West. He makes a turn in an anti-clockwise direction and is now facing North. How many right angles does he turn?

(1) 1
(2) 2
(3) 3
(4) 4

18. Mac goes to school at 7.20 a.m. and leaves school at 1 p.m. every day. How much time does Mac spend in school every day?

(1) 5 h 20 min
(2) 5 h 40 min
(3) 6 h 20 min
(4) 6 h 40 min

19. In the figure shown below, which dot can be joined to the marked end point T of the line UT to form an angle greater than 150°?



(1) A
(2) B
(3) C
(4) D

20. Each cupcake cost $3. Kumar paid $57 for some cupcakes. He gave 5 cupcakes to his brother. How many cupcakes had Kumar left?

(1) 14
(2) 19
(3) 24
(4) 42

End of Booklet A

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2015)
PRIMARY 4

MATHEMATICS
Booklet B

Wednesday **6 May 2015** **1 h 45 min**

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer ALL questions.

Name : _____ ( )

Class : 4.( )

Parent's Signature:_____

Section	Possible Marks	Marks Obtained
A	40	
B	40	
C	20	
Total	100	

This question paper consists of 12 printed pages. (Inclusive of cover page)

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

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21. Arrange these numbers from the smallest to the greatest.

    76 631, 67 317, 79 613, 67 136

    _____ , _____ , _____ , _____

    Smallest Greatest

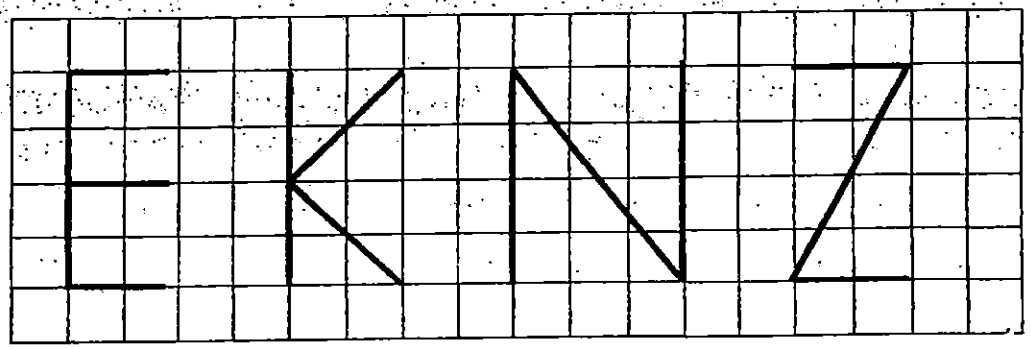
22. Multiply 347 by 38. Round off your answer to the nearest ten.

23. Express $4\frac{5}{7}$ as an improper fraction.

24. Shanti bought seven 50-cent stamps and nine 20-cent stamps from a stamp machine. How much money did Shanti spend altogether?

    $

25. In the diagram below, the letters E , K , N and Z are drawn on a square grid. List **all** the letters which have perpendicular lines.

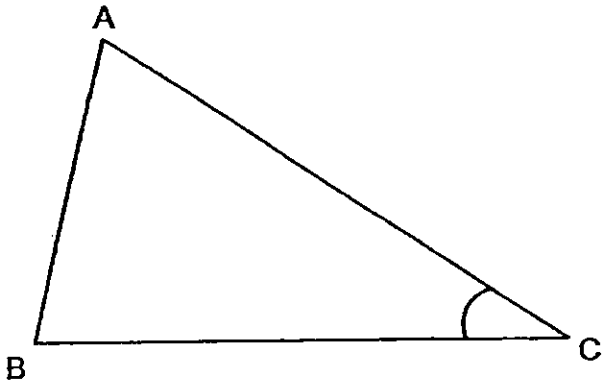


26. The number of chairs in the hall is 1500 when rounded off to the nearest hundred.
a) What is the greatest possible number of chairs in the hall?
b) What is the smallest possible number of chairs in the hall?

a) _____

b) _____

27. Measure ∠ACB.



6

∠ACB = _____

Sub - total:

28. Machine A produces thrice as many buns as Machine B in a day. Together, they produce 9408 buns in a day. How many buns can Machine B produce in a day?

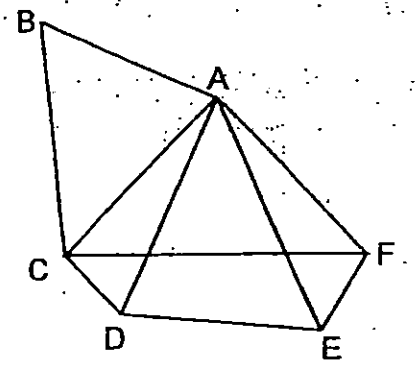
29. Mrs Tan had 9 m of cloth. She used 240 cm of it to sew a dress and 395 cm to sew a shirt. What was the length of cloth she had left? Give your answer in cm.

cm

30. The sum of two fractions is $\frac{7}{12}$. One of the fractions is $\frac{1}{6}$. What is the other fraction?

Sub - total:

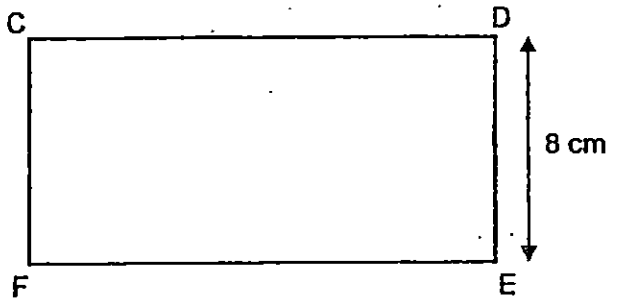
31. Look at the figure below.
a) Which line is parallel to AF?
b) Which line is perpendicular to AD?



a) _____

b) _____

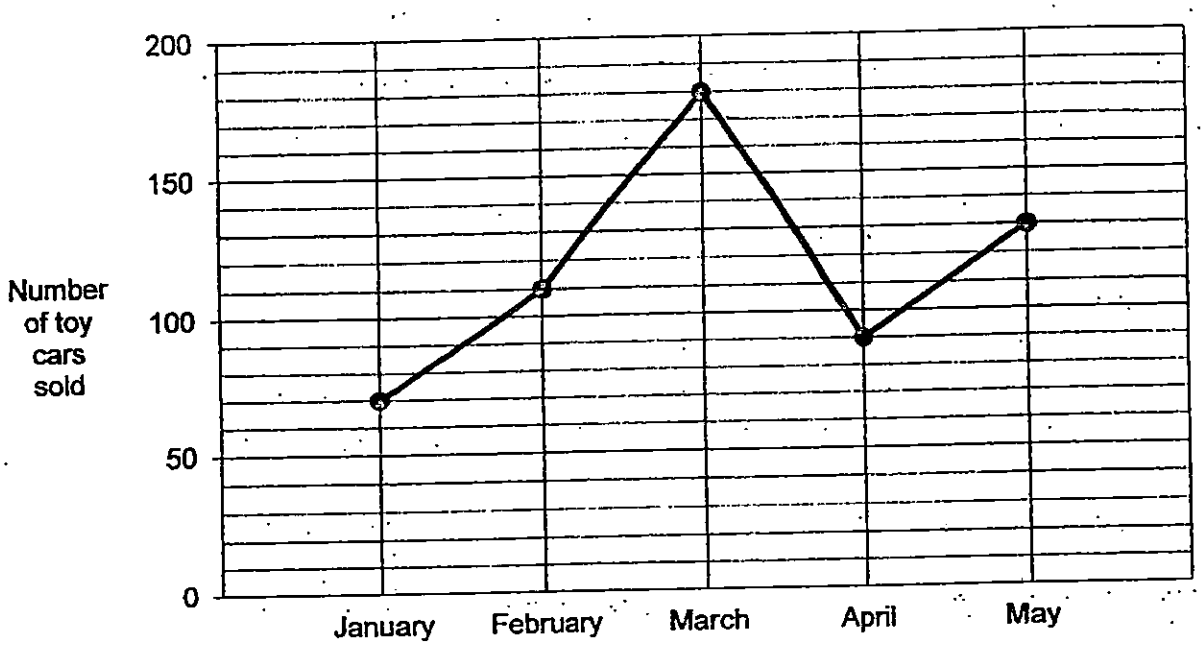
32. A piece of wire is 48 cm long. It is bent to form a rectangle CDEF as shown below. Given that DE is 8 cm, what is the area of rectangle CDEF?



cm^2

Sub - total:

Peter prepared 200 toy cars for sale in his shop every month. The line graph below shows the number of toy cars he sold each month. Study the graph and answer questions 33 and 34.

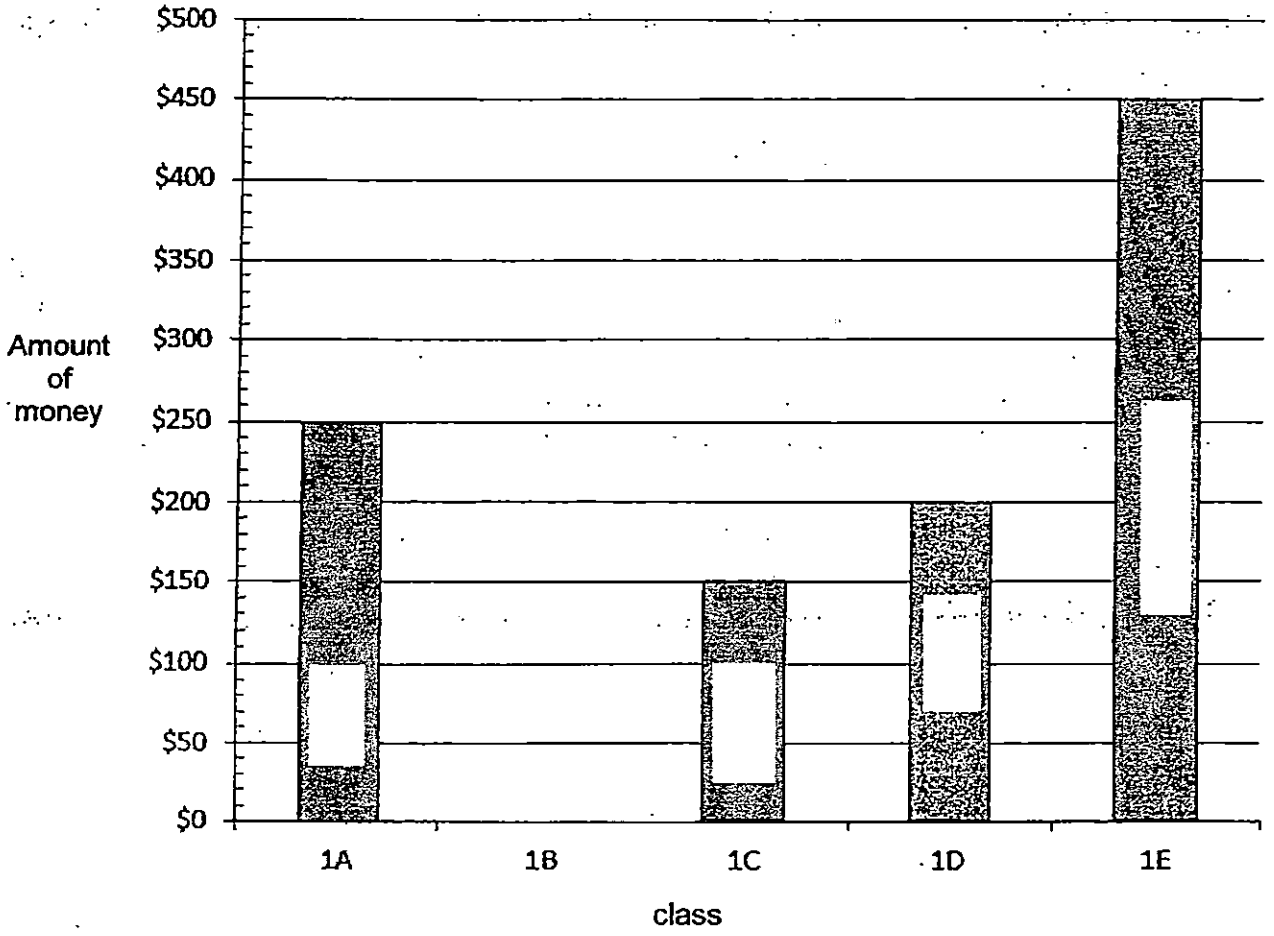


33. What was the increase in the number of toy cars sold from April to May?

34. Write down all the months in which Peter sold **more than half** of the toys cars he had prepared to sell each month.

Sub - total:

The bar graph below shows the amount of money collected for the children's charity by 5 classes through the sale of coin banks. The bar that shows the amount of money collected by class 1B has not been drawn. Study the graph and answer questions 35 and 36.

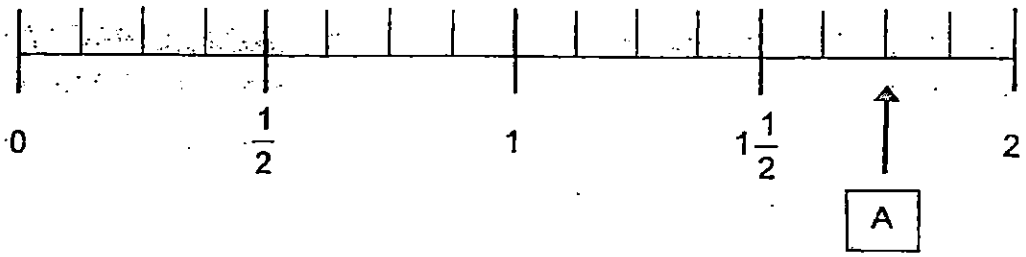


35. The total amount of money collected by the 5 classes was $1400 How much did class 1B collect?

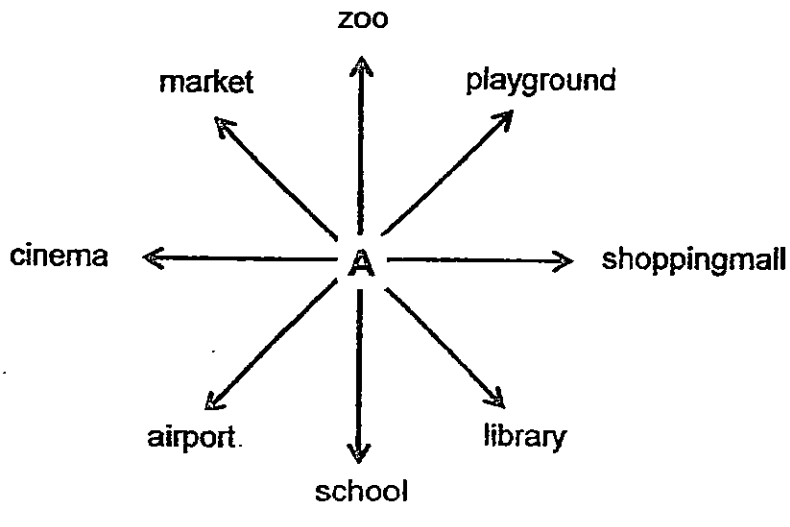
$

36. Coin banks were sold at $5 each. What was the total number of coin banks sold by classes 1A and 1E?

37. Write the fraction represented by the letter A. Give your answer as a mixed number in the simplest form.



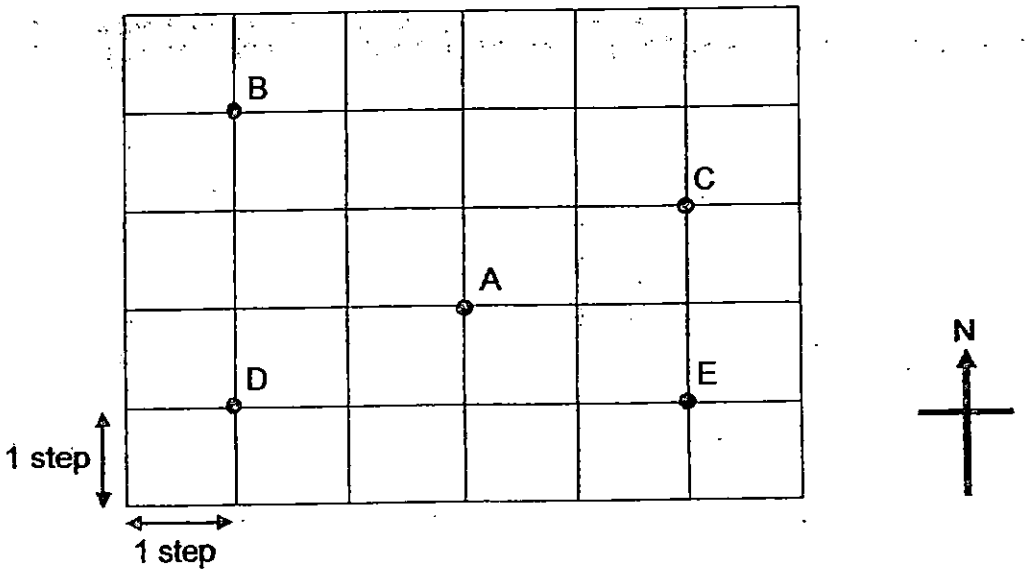
38. Madam Su is standing at the point marked A in the figure below. She is facing the airport. Where will she face when she turns 315° clockwise?



39. Arjun earned $2350 every month. He saved $\frac{1}{5}$ of his salary in January and spent the rest. How much money did he spend in January?

$

40. Look at the diagram below. Zul was at Position A. He moved 2 steps North. Next, he took 2 steps to the West followed by 3 steps to the South. Finally, he moved 4 steps to the East. At which position did he end up?



Position _____

Sub - total:

Section C

Questions 41 to 45 carry 4 marks each. For each question, show your working clearly as marks will be given for working and relevant statements.

(20 marks)

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41. Charlie picked 9223 oranges. 28 of them were rotten and were thrown away. He packed the remaining oranges equally into bags of 4.
    (a) How many bags of oranges did he pack?
    (b) How many orange(s) was left over?

42. James bought 6 identical tables and 1 chair. Each table cost $207. Each table cost 3 times as much as a chair. How much did he pay altogether?

43. Mrs Yeong had some money. She gave $\frac{8}{9}$ of her money to her 4 children equally. She was left with $850.

(a) What fraction of Mrs Yeong's money had she left?

(b) How much money did each child get?

44. Alice had $240 more than Ivan at first. After Alice spent $300, Ivan had thrice as much money as Alice in the end. Find the amount of money Alice had at first.

45. Madam Su baked some pies. She sold $\frac{5}{7}$ of the pies on Monday and $\frac{1}{2}$ of the remainder on Tuesday. She sold 560 more pies on Monday than on Tuesday. How many pies did she bake?

End of Booklet B

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : ANGLO CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	3	4	2	1	3	3	4	4	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	1	1	4	4	4	3	2	4	1

Q21. 67136 , 67317, 76 631, 79613

Q22. 13190 Q23. $\frac{33}{7}$ Q24. $5.30 3.50 + 1.80 = 5.30

Q25. E,K Q26a) 1549 Q26b) 1450

Q27. 33° Q28. 2352 Q29. 265cm Q30. $\frac{5}{12}\ \frac{7}{12} - \frac{2}{12} = \frac{5}{12}$

Q31a. CD Q31b. BA Q32. 128cm² Q33. 40 toy cars

Q34. February, March and May

Q35. 4350➔ 1400 – 250 -150-200-450=350

Q36. 140 coins banks➔ 250+450=700, 700÷5=140

Q37. 1¾ Q38. The school

Q39. $1880➔ 2350÷5=470, 470 x 4=188

Q40. Position E

Q41a. 2298 oranges➔9223 – 28 = 9195

Q41b. 3 oranges ➔left 9195 ÷ 4 = 2298R3

Q42. $1311➔ 207 x 6 =1242, 1242 + 69 = 1311

Q43a. $\frac{1}{9}$ ➔ $1 - \frac{8}{9} = \frac{1}{9}$

Q43b. $1700➔ 850 x 2 = 1700

Q44. 4330 ➔2u=60, 1u=60÷2=30, 300+30=330

Q45.980 ➔Monday➔ 5u, Tuesday➔ 1u , 4u=560, 1u = 560 ÷ 4 = 140, 7u = 7 x 140 = 980